DAV PUBLIC SCHOOL SRESHTHA VIHAR, DELHI HOLIDAYS HOMEWORK **CLASS-X**

ENGLISH

Q1. You are A.Rizvi, Head of the Chemistry department of Usmania Sr. Secondary School, Sharanpur. You require various lab apparatuses and chemicals for your laboratory. Write a letter to M/s Om Scientific Works, Sharanpur placing a bulk order for the purchase of various items. Mention all the necessary details of the items as well as the discounts available on the purchase.

Q2. You are Laxman/Laxmi, the Head Librarian of Ramanna Public School, Nellore. Write a letter to Janta Book Depot, Nellore placing bulk order for books needed for the school library. You can invent your own details.

Q3. Accidents in big cities are a common phenomenon. Unfortunately, hardly anyone comes to the rescue of the road victims because of fear of harassment by the police. Now that the Supreme Court has issued guidelines that people who take road victims to a hospital will not be questioned or detained, there is no reason why bystanders/passersby should hesitate to help road victims and thus discharge their duty as responsible citizens. Write a letter to the Editor of a national daily requesting him/her to make people aware of Supreme Court guidelines and urge them to help people in distress. You are Shom/Shobha, 24, Raj Nagar, Kanpur.

Q4. Ram Kumar Mishra is a resident of Ram Nagar, Bhopal. After reading a news paper write-up that Bhopal Development Authority has decided to allot an 80-acre plot of land reserved for a garden and green belt to develop a residential colony, you express your resentment and dismay by writing a letter to the Editor of a national daily asking the authorities to drop this plan.

Q5. Over the years there has been a steady increase in the number of students from different towns and cities of India seeking admission in colleges in the metropolitan cities. As a

consequence, colleges in the metros have failed to accommodate the rising number of students due to severe shortage of seats. Write an article for your school magazine drawing attention to the anxiety and pressure faced by students during admission time. Suggest ways to combat the shortage of seats. You are Mohan/Mohita, a student of A.K. International School, Agra.

Q6. Recently a news appeared in the newspapers how a man committed suicide after being snubbed at a Reality show. Write an article advocating a complete ban on the vulgar and indecent Reality Shows on TV. Highlight their damaging impact on students and the youth in general.

Q7. Develop a story with the help of starting lines given below : (150-200 words)

"It was my first exam. I was already late. I dashed towards my scooty and put the key in the ignition. But it wouldn't start. Panicstriken I rushed towards the main road

Q8. Write a short story on the basis of the beginning lines provided.

"Summer holidays had begun. Mohit was excited. His father had made arrangements for a trip to"

Q9. The following passages have not been edited. There is one error in each line. Write the incorrect word and the correction against any four lines. Remember to underline the word you have supplied. One is done as an example.

		Incorrect		Correction	
1.	In Himalayas, the desert is turning green e.g.		the	a	
	Climate change in a Indian region of	(a)			
	Ladakh has shrunk glaciers or has made rainfall	(b)			
	and temperature unpredictable. Water has	(c)			
	needed to irrigating the fields.	(d)			
	Farmers may requiring aid from the government	.(e)			

Q10. In the following passages one word has been omitted in each line. Write the missing word, in any four sentences of the given paragraph, along with the word that comes before and the word that comes after it in space provided.

Thomas Hardy was younger contemporary of e.g. was younger а Charles Dickens. His style rather different, (a) _____ but he was influenced Dickens and achieved (b) _____ wide literary acclaim in own right, both (c) _____ as novelist and a poet. While Dickens' novels (d)_____ tended to set in an urban environment, (e)_____ Hardy's focus was on the countryside.

Q11. Prepare a scrapbook on vocabulary builder, word watch and word wise based on the newspaper provided in the school.



×****	****		
	(vi)	The list of numbers -10,-6,-2,2is	
		(a) an AP with $d = -16$	
		(b) an AP with $d = 4$	
		(c) an AP with d =-4	
		(d) not an AP	3
	(vii)	If $ax^2 + bx + c = 0$ has equal roots then $a =$	
		(a) $\frac{b^2}{4c}$	
		$(b) -b^2$	
		(b) $\frac{-b^2}{4c}$	
		(c) $\frac{b}{2c}$	
		(d) $\frac{-b}{2c}$	
		2c	
	(viii)	If p and q are the roots of the equation $x^2 - px + q = 0$ then	
	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(a) $p=1, q=-2$	
		(b) $p = 1, q = 0$	
		(c) $p = -2, q = 0$	
		(d) $p = -2, q = 1$	
	(ix)	If the common difference of an AP is 5 then what is $a_{18} - a_{13}$	
		(a) 5	
×		(b) 20	
		(c) 25	
		(d) 30	
	(x)	(a) an AP with d = -16 (b) an AP with d = 4 (c) an AP with d =-4 (d) not an AP If $ax^2 + bx + c = 0$ has equal roots then a = (a) $\frac{b^2}{4c}$ (b) $\frac{-b^2}{4c}$ (c) $\frac{b}{2c}$ (d) $\frac{-b}{2c}$ If p and q are the roots of the equation $x^2 - px + q = 0$ then (a) $p=1, q=-2$ (b) $p=1, q=0$ (c) $p=-2, q=0$ (d) $p=-2, q=1$ If the common difference of an AP is 5 then what is $a_{18} - a_{13}$ (a) 5 (b) 20 (c) 25 (d) 30 In a right triangle ABC, $AB = \frac{x}{2}, BC = x+2$ and $CA = x + 3$, then $x =$ (a) 5 (b) 10	
		(a) 5	
		(b) 10	
		(c) 12	
		(d) 14	
2.		he value of p and q for which the equations	
		y = 2 : $(2p + 7q) x + (p + 8q) y = 2q - p + 1$ have infinitely many solutions.	
3.		e method of factorization find the roots of the quadratic equation	
		$^{2}x^{2} - (a^{2}b^{2}+1)x + b^{2} = 0, a \neq 0$	
4.		Im of first n terms of an AP is given by $(n^2 + 8n)$. Find the 12 th term of the AP.	3
		ind the nth term of the AP.	
Э.		the equation : $x_1 + x_2 + x_3 = 287$	
x		+7 + 10 ++ x = 287	
0 .		he values of $x + y$ and $x - y$ when 17 y = 73; $17x + 28y = 62$	
×	20x +	the value of p and q for which the equations y = 2 : $(2p + 7q) x + (p + 8q) y = 2q - p + 1$ have infinitely many solutions. The method of factorization find the roots of the quadratic equation $2x^2 - (a^2b^2 + 1) x + b^2 = 0, a \neq 0$ The of first n terms of an AP is given by $(n^2 + 8n)$. Find the 12^{th} term of the AP. The equation : (p + 7 + 10 + + x = 287) The values of $x + y$ and $x - y$ when 17 y = 73; $17x + 28y = 62$	
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(c) Good manuring in the area

- (d) Stomata get blocked due to dust
- Q5 Design an experiment to show transpiration in plants.
- Q6 Bile does not contain any enzymes; still it is essential for digestion. Explain.

Q7 If salivary amylase is lacking in the saliva, which events would be affected in the mouth cavity?

Q8 The masticated food is better digested. Explain.

Q9 Raman ate rajma and rice in lunch. Explain the various steps by which the components in her food got digested.

Q10 When Yeast is added to a dough of idli and dosa, why does the dough rise? What chemical reaction takes place?

Q11 How is the food propelled from one part of the alimentary canal to another?

Q12 Why does the trachea never collapse when there is insufficient air in it?

Q13 What prevents the food to enter the wind pipe?

Q14 Explain the gaseous exchange in tissues.

Q15 How is cellular respiration different from breathing? Explain.

Q16 What are the characteristics of a good respiratory surface?

Q17 Observe the following set up and answer the following questions?



- (a) What is the role of potassium hydroxide in this experiment?
- (b) Why are both the potted plants kept in dark first?
- (c) In which of the set ups the starch test would be positive and why?

MULTIPLE CHOI	CE Q	UESTIONS:				
Q1 The inner lining of s	tomach	n is protected by	one of	the foll	owing	from hydrochlori
acid:						
(a) Pepsin						
(b) Mucus						
(c) Salivary amylase						
(d) Bile						
Q2 The opening and clo	sing of	stomatal pore d	epends	upon?		
(a) Oxygen						
(b) Temperature						
(c) Water in the guard c	ells					
(d) Concentration of carbon dioxide in stomata						
Q3 During the deficiency of oxygen in the tissues of human beings, pyruvic acid is						
converted into lactic acid in the:						
(a) Cytoplasm						
(b) Chloroplast						
(c) Mitochondria						
(d) Golgi body						
Q4 Oxygen liberated during photosynthesis comes from:						
(a) Water						
(b) Chlorophyll						
(c) Carbon dioxide						
(d) glucose						
CHEMISTRY (CHEMICAL REACTIONS AND EQUATIONS)						
Q 1.Multiple ChoI.Identify the colour of(a)Blue(b)	oice que	stions : sulphate crystals	: Black		(d)	Yellow
II. What is the valency of $(a) = 0$ (b)	f Sulpha				(1)	2
(a) 0 (b) III. The reaction in which	l heat is :	(c)	2		(d)	3
(a) Photolytic reaction	(b)	Exothermic rea		(c)	Elect	rolytic reduction
(a) I notorytic reaction			uc11011		LICU	

(d)	Endothermic reaction						
	Ammonia gas reacts with water to give :						
	Ammonium hydroxide (b) Ammonium hydride (c) Ammonium oxide						
	Ammonium hydroxide (b) Ammonium hydride (c) Ammonium oxide						
. ,	Which of the following are characteristics of Ionic compounds?						
	hard (b) have high melting point (c) crystalline (d) all of the						
. ,	Fill in the following blanks:						
	A substance which cause addition of hydrogen or removal of oxygen from other substan						
	called						
(b)	A reaction in which an insoluble product formed during the reaction of two ionic compound						
	aqueous solution is called reaction.						
(c)	When lead nitrate powder is heated gas is evolved.						
	When acid is added to lime stone gas is evolved.						
	5. State True or False:						
(a)	(a) When Ferrous Sulphate is heated, a smell of burning Sulphur is obtained due to the formation						
	Sulphur dioxide. (T/F)						
(b)	b) The gas which is collected in double the amount in the electrolysis of water experiment						
	oxygen.(T/F)						
(c)	c) Zinc can liberate hydrogen on reacting with dilute Nitric acid. (T/F)						
(d)	d) A substance whose solution in water we use for white - washing is Calcium oxide. (T/I						
(e)	An oxidising agent either supplies oxygen in a reaction or removes hydrogen. (T/F)						
Q 4	. Give reason why?						
(a)	Iron articles lose their shine gradually.						
(b)	Fried food should be kept in air tight container						
(c)	Copper Sulphate solution can be stored in silver container but Silver nitrate solution cannot						
	stored in copper vessel.						
(d)	Corrosion is harmful.						
(e)	Copper does not liberate hydrogen on reacting with dilute Sulphuric acid.						
Q 5	What happened when :						
(a)	Hydrated Copper Sulphate is heated.						
(b)	Silver Chloride kept in Sunlight.						
(c)	Electricity is passed through acidified water solution.						
(d)	Magnesium ribbon burnt in air.						

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SOCIAL SCIENCE

GEOGRAPHY

1) Map Work

Locate and label the following on the political map of India--

A) Major soil types

B) Dams of India- salal, Bhakhra Nangal, Tehri, Rana Pratap Sagar, Sardar Sarovar,

Hirakud, Nagarjuna Sagar, Tungbhadra

C) Major areas of rice and wheat

Largest/ major producer states of sugarcane, tea, coffee, rubber cotton and jute

- 2) Write any 10 difficult words with their meaning each from chapter no. 1,2,3 and 4
- 3) Frame 5 Multiple choice questions and 5 one word answer type question each from chapter no. 1,2,3 and 4.

HISTORY

Textbook: India & the Contemporary world, NCERT(2019thEdition)

To prepare objective type questions- for example: one word answer, fill in the blanks, match the following, odd-one out etc.

Chapter(s) Section(s) 1. Nationalism in Europe X-A, B, C 2. Nationalism in India X-D, E, F

(To be done in home-work notebook)

(Handwriting should be neat and readable)

POLITICAL SCIENCE

1. Textbook: Democratic Politics II, NCERT (2019th Edition)

Read term-1 chapters thoroughly.

Chapter I- Power Sharing

Chapter II- Federalism

Chapter III- Democracy and Diversity

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project work.

3. The distribution of marks over different aspects relating to Project Work is as follows:

S.NO.	Aspects	Marks
a.	Content accuracy, originality and	2
	analysis	
b.	Presentation and creativity	2
с.	Viva Voce	1

4. The projects carried out by the students in different topics should subsequently be shared among themselves through interactive sessions such as exhibitions, panel discussions, etc.

5. All documents pertaining to assessment under this activity should be meticulously maintained by concerned schools.

6. A Summary Report should be prepared highlighting:

7. It is to be noted here that the projects and models prepared should be made from eco-

friendly products without incurring too much expenditure.

8. *The Project Report* should be handwritten by the students themselves.

Instructions:

1.Domains to be used as authentic sources: .edu, .gov, .org

2.Search engines to be used:

google, bing, yahoo, as.com, ol.com, baird, duckduckgo, internet archive

3. Prescribed books:

1. India and the Contemporary World-II (History) - Published by NCERT

2. Contemporary India II (Geography) - Published by NCERT

3. Democratic Politics II (Political Science) - Published by NCERT

4. Understanding Economic Development - Published by NCERT

5. Together Towards a Safer India - Part III, a textbook on Disaster Management - Published by CBSE.

Note: Please procure latest reprinted edition (2019) of prescribed NCERT textbooks.

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3. IMPORTANT:

(i) Project to be done individually.

(ii) Work should be properly researched.

(iii)Should follow the following pattern

Attractive cover page with title •Certificate of authenticity • Abstract (briefly explaining the

objective of the project) • Table of contents • Introduction • Main Content• Results and

discussion • Summary/conclusions • References • Appendices (if used)

iv) No writing to be done on left side and should be covered with relevant photos, diagrams or data tables

v) Any data or fact should be presented with the source.

(vi) Bibliography/references to be given at the end of the project work. (Plagiarism will not be accepted).

Submission: 5th July 2019. (Marks will be deducted for late submissions)

हेंदी

1 ग्रीष्मावकाश में उमेश पंत की यात्रा संस्मरण 'इंनरलाइन पास' पुस्तक पढ़िए और निम्नलिखित आधार बिन्दुओं पर समीक्षा लिखिए।

- पुस्तक और लेखक परिचय
- कथावस्तु
- पात्र
- संवाद
- समय और परिस्थिति
- वर्तमान संदर्भ में उससे प्राप्त जानकारी की उपयोगिता

2 "शिक्षा का उद्देश्य नौकरी प्राप्त करना नहीं व्यवहार में परिवर्तन लाना होता है" — कथन के आलोक में अपने विचार लिखकर प्रस्तुत कीजिए।

3 'ऊर्जा के स्रोत' विषय को अन्य विषयों के साथ जोड़ते हुए प्रभावशाली विज्ञापन तैयार कीजिए।

सभी कार्य सफेद रंग की ए-4 साइज़ की शीट पर करें व प्रथम सप्ताहांत जुलाई, 2019 को जमा करें।

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- पर्यावरणं व्यायामं च विषये विंशतिः वाक्यानि लिखत ।
- धटिका निर्माणं कृत्वा 1 से 12 पर्यन्तं चित्रसहितेन लिखत । 2

तत्र सपाद , पादोन , सार्ध प्रयोगं भवेत ।

- पाठ 1,2,3 से कठिन शब्दार्थ लिखिए । 3
- अव्ययीभाव और तत्पुरुष समास के दस दस समस्तपद और उनका विग्रह लिखिए । 4

FRENCH

Students can show their talent in a unique way by performing a French song in a video recording.

- Do revision of all the chapters that have been done in the class.
- Do written expressions of chapter 1-4 from entre jeune.

COMPUTER SCIENCE

Make a Project according to your Roll No. on any one of the topics given below:

- * Artificial Intelligence
- * Digital India
- * Augmented Reality
- * Virtual Reality
- * Green IT
- * Societal Impact of IT

Roll No: 1-10

Visual Presentation using any Presentation Software like PowerPoint, Impress etc. **Roll No: 11-20** Movie using any Movie Making Software like Movie Maker, Aftereffects etc. **Roll No: 21-30** Animation/Game using Scratch or Kodu **Roll No: 31-40** Story using Digital Storytelling tools like Sway, Paint 3D, Photo story etc. **Roll No: 41 onwards** 3D Model

Projects are to be submitted for grading in pen drives to the respective Computer Teachers by 6th July 2019. Shortlisted projects will be showcased in the Computer Science exhibition to be held in school.

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